

8.00"
(203 mm)

7840
CONFIGURATION



SPECIFICATIONS

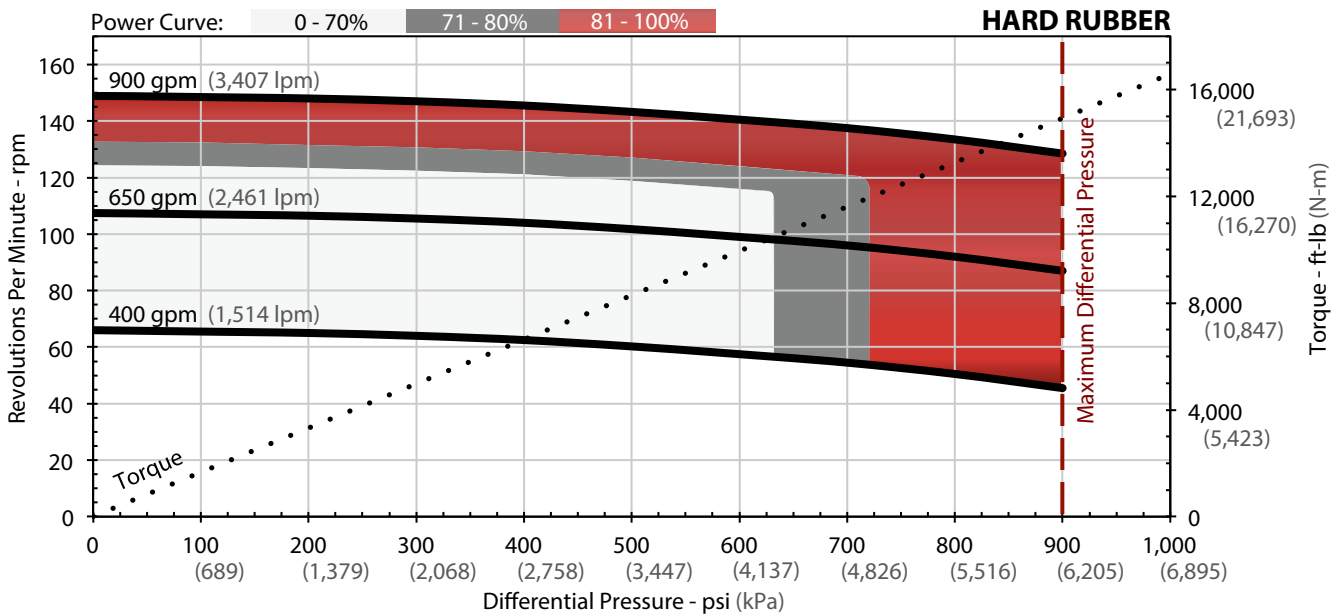
	IMPERIAL	METRIC
Maximum Differential Pressure	900 psi	(6,210 kPa)
Torque at Maximum Differential	14,930 ft-lb	(20,240 N-m)
Stall Torque	22,400 ft-lb	(30,370 N-m)
Flow Range	400 - 900 gpm	(1,514 - 3,407 lpm)
RPM Ratio	0.17 Revolutions / g	(0.04 Revolutions / l)
RPM Range	66 - 149 rpm	(66 - 149 rpm)
Recommended Hole Sizes	9.875 - 12.25 in	(251 - 311 mm)
Maximum Weight on Bit	155,000 lb	(68,900 daN)
Maximum Overpull (Static)	550,000 lb	(244,700 daN)
Overall Weight	3,680 lb	(1,669 kg)

LENGTH

	IMPERIAL	METRIC
(A) to Stabilizer	24.20 in	(0.61 m)
(B) to Adj. Bend	80.24 in	(2.04 m)
(B) to Fixed Bend	66.60 in	(1.69 m)
(C) Overall	346.71 in	(8.81 m)

ADJUSTABLE

	IMPERIAL	METRIC
Make-Up Value	40,000 ft-lb	(54,200 N-m)



0 - 3° ADJUSTABLE Degrees / 100 ft (30 m)

BEND	9.875" HOLE SIZE		10.625" HOLE SIZE		12.25" HOLE SIZE	
0.39°	-	2.9	-	3.4	-	4.3
0.78°	2.8	5.5	1.2	5.9	-	6.9
1.15°	5.6	7.9	4.1	8.3	0.7	9.3
1.50°	8.3	10.2	6.8	10.6	3.4	11.6
1.83°	10.9	12.3	9.3	12.8	5.9	13.7
2.12°	13.1	14.2	11.5	14.7	8.2	15.6
2.38°	15.1	15.9	13.5	16.4	10.2	17.3
2.60°	16.8	17.4	15.2	17.8	11.9	18.8
2.77°	18.1	18.5	16.5	18.9	13.2	19.9
2.90°	19.1	19.3	17.5	19.8	14.2	20.7
2.97°	19.6	19.8	18.1	20.2	14.7	21.2
3.00°	19.9	20.0	18.3	20.4	14.9	21.4

SLICK 1 STAB

FIXED HOUSING Degrees / 100 ft (30 m)

BEND	9.875" HOLE SIZE		10.625" HOLE SIZE		12.25" HOLE SIZE	
1.50°	8.5	10.6	6.7	11.0	2.7	12.0
1.83°	11.1	12.8	9.2	13.3	5.3	14.3
2.38°	15.3	16.6	13.5	17.0	9.5	18.0

SLICK 1 STAB

Figures are for reference only. Stabilized build rates assume a lower stabilizer 0.125" undergauge. Actual performance may vary based on tool and operating conditions. Refer to temperature and mud scaling curves for optimal performance and reliability. Rotating above 1.50° may cause damage to the performance motor at certain RPM's. Running above 80% will be done so at client's risk. Contact your R3 EDGE representative to confirm ideal operating specifications. Updated July 2014.